

Maryland Historical Trust

Maryland Inventory of Historic Properties number: HO-672 HC-641

Name: MD 97 over Potomac River

The bridge referenced herein was inventoried by the Maryland State Highway Administration as part of the Historic Bridge Inventory, and SHA provided the Trust with eligibility determinations in February 2001. The Trust accepted the Historic Bridge Inventory on April 3, 2001. The bridge received the following determination of eligibility.

MARYLAND HISTORICAL TRUST	
Eligibility Recommended _____	Eligibility Not Recommended <u>X</u>
Criteria: <u>  </u> A <u>  </u> B <u>  </u> C <u>  </u> D Considerations: <u>  </u> A <u>  </u> B <u>  </u> C <u>  </u> D <u>  </u> E <u>  </u> F <u>  </u> G <u>  </u> None	
Comments: _____ _____ _____	
Reviewer, OPS: <u>Anne E. Bruder</u>	Date: <u>3 April 2001</u>
Reviewer, NR Program: <u>Peter E. Kurtze</u>	Date: <u>3 April 2001</u>

*File*

✓

Maryland Inventory of Historic Properties  
Historic Bridge Inventory  
Maryland State Highway Administration  
Maryland Historical Trust

HC-641  
MHT Number HO-672

Name and SHA No. MD 97 over Patuxent River/13038

**Location:**

Street/Road Name and Number: Maryland Route 97

City/Town: Roxbury Mills Vicinity x

County: Howard

Ownership: x State    County    Municipal    Other

This bridge projects over:    Road    Railway x Water    Land

Is the bridge located within a designated district:    yes x no

   NR listed district    NR determined eligible district

   locally designated    other

Name of District                                 

**Bridge Type:**

   Timber Bridge

   Beam Bridge    Truss-Covered    Trestle

   Timber-and-Concrete

   Stone Arch

   Metal Truss

   Movable Bridge

   Swing

   Bascule Single Leaf    Bascule Multiple Leaf

   Vertical Lift    Retractable    Pontoon

x Metal Girder

   Rolled Girder    Rolled Girder Concrete Encased

x Plate Girder    Plate Girder Concrete Encased

   Metal Suspension

HO-677  
HO-641

☐ Metal Arch

☐ Metal Cantilever

☐ Concrete

☐ Concrete Arch ☐ Concrete Slab ☐ Concrete Beam

☐ Rigid Frame

☐ Other Type Name \_\_\_\_\_

**Description:**

**Describe Setting:** Bridge 13038 carries Maryland 97 over the Patuxent River in Howard County, Maryland. MD 97 runs in a north-south direction; the Patuxent River runs generally east-west at this crossing. The bridge is situated in a rural wooded area with no structures visible from the bridge. The Patuxent River has a wooded channel bank in this area. Bridge 13038 is located on the grounds of the Patuxent River State Park, established in the early 1930's.

**Describe Superstructure and Substructure:** The superstructure of 13038 is a double span welded steel plate girder with a corrugated metal deck and bituminous overlay on the wearing surface. There is an ornamental concrete parapet wall on either side of the bridge deck which serves as a protective barrier. The substructure consists of concrete abutments and wing walls and one concrete pier. Each span is 43' long, with a total bridge length of 86'. There are standard W beam guard rails on either side of both approaches.

**Discuss Major Alterations:** All of the documentary evidence available indicates that no major alterations have been made to Bridge 13038.

**History:**

**When Built:** 1931

**Why Built:** state wide road improvement programs, to meet local transportation needs within the park

**Who Built:** State Roads Commission

**Why Altered:** n/a

**Was this bridge built as part of an organized bridge building campaign:** yes

**Surveyor Analysis:**

**This bridge may have NR significance for association with:**

☐ A Events ☐ B Person

☒ C Engineering/Architectural

**Was this bridge constructed in response to significant events in Maryland or local history:** No, it is not likely that it was constructed in response to specific events in state or local history. The bridge is located within the Patuxent River State Park, which was

established in the late 1920's. It is possible that this bridge was a more stable replacement of an earlier bridge, or a new structure constructed in direct relationship to the establishment of the Patuxent River State Park.

**When the bridge was built and/or given a major alteration, did it have a significant impact on the growth and development of the area:**No, construction of this bridge did not have a significant impact on the growth or development of the area, other than its relationship to the state park.

**Is the bridge located in an area which may be eligible for historic designation and would the bridge add to or detract from historic and visual character of the possible district:**No, this bridge is not located in an area which may be eligible for historic designation.

**Is the bridge a significant example of its type:**It is possible that 13038 is a significant example of its type.

**Does the bridge retain integrity of the important elements described in the Context Addendum:**Plate girders are considered primary character defining elements. There is no indication in the available documentation that they have been replaced or significantly altered since the original construction in 1931. The floor system is considered a secondary character defining element. There is no indication that the floor system has ever been replaced or severely altered either. It is likely that cleaning, painting and minor repairs have been made to the floor system. The ornamental concrete parapet barrier wall is considered a tertiary character defining element under additional functional features. Again, there have been no major alterations made to this feature either, but it is likely that minor cracks and spalling have been repaired.

The concrete abutments, wing walls and piers are considered primary character defining elements. There is no documentation to indicate that any substantial repairs have been made to the substructure, other than routine maintenance.

Bridge 13038 appears to retain integrity of the important elements described in the Context Addendum. The fact that it retains all of the structural elements from the original construction period, and that these elements remain in fair condition indicates that this bridge does retain its original integrity.

**Should this bridge be given further study before significance analysis is made and why:**Yes, this bridge should be given further study. It is possible that Bridge 13038 may be a significant example of its type because of its length, its present fair condition, the fact that it retains original structural elements, and the fact that it may be associated with the establishment of the Patuxent River State Park. This bridge should be compared to other local examples of its type.

~~HO-677~~  
HO-641

**Bibliography:**

Greiner, Inc.

1995 Historic Bridge Inventory Form.

Spero, P.A.C. & Company, and Louis Berger & Associates

1994 Historic Bridges in Maryland: Historic Bridge Context.

State Highway Administration

v.d. Bridge Inspection Files.

United States Geological Survey

1945 7.5' Sandy Spring Quadrangle, photorevised 1979.

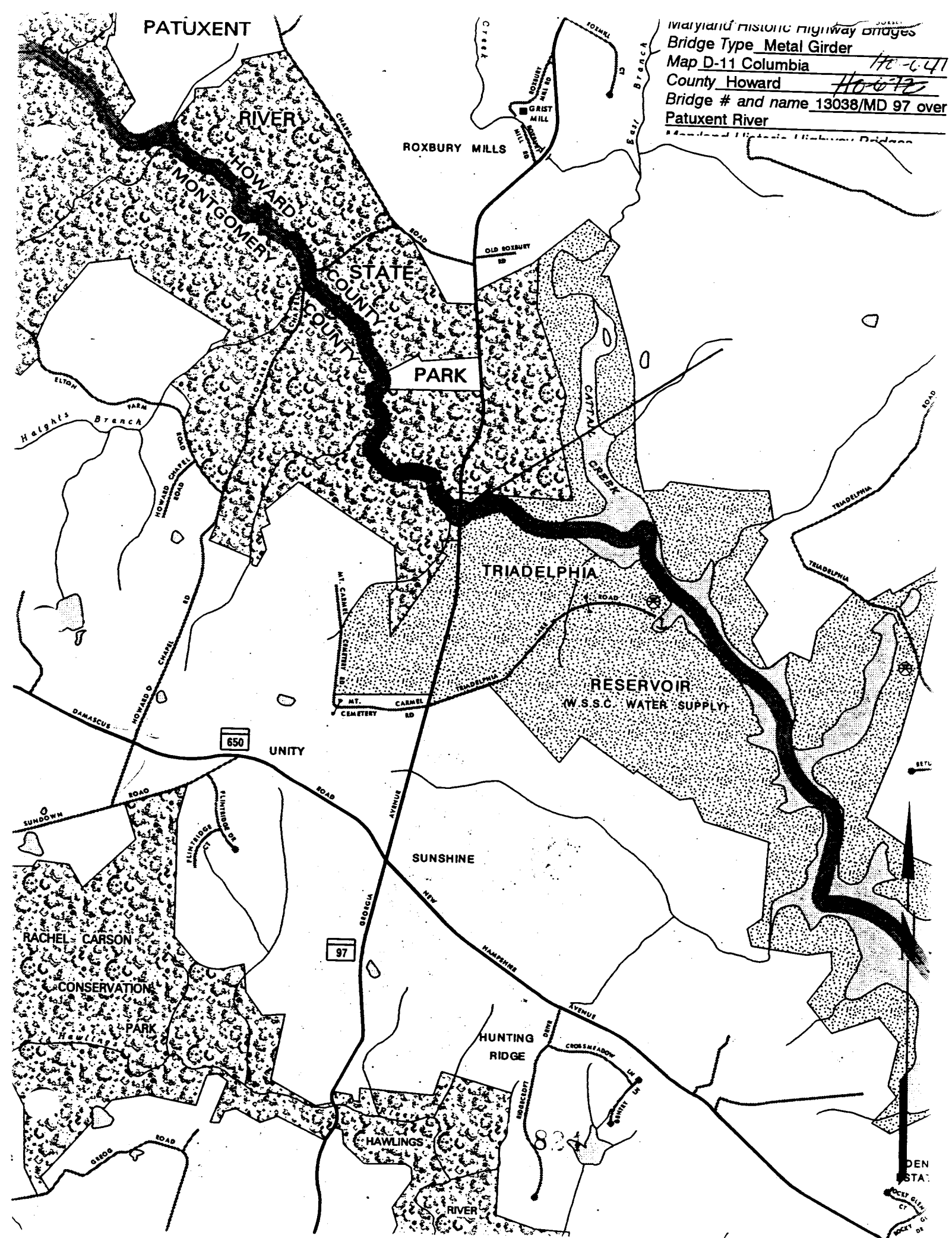
**Surveyor:**

**Name:** Stephanie L. Bandy **Date:** August 1995

**Organization:** State Highway Admin. **Telephone:** (410) 321-2213

**Address:** 2323 West Joppa Road Brooklandville, MD 21022

Maryland Historic Highway Bridges  
 Bridge Type Metal Girder  
 Map D-11 Columbia HO-641  
 County Howard HO-672  
 Bridge # and name 13038/MD 97 over  
Patuxent River  
 Maryland Historic Highway Bridges





Inventory # H0-641

Name 13038 - MD 97 OVER PATUXENT RIVER

County/State HOWARD / MD

Name of Photographer DAVID DIEHL

Date 2/95

Location of Negative SHA

Description SOUTH APPROACH looking  
NORTH

Number <sup>1</sup><sub>48</sub> of <sup>4</sup><sub>31</sub>

APR 21 1995 21K 23 \*01





Inventory # HO-641

Name 19038 - MD 97 OVER PATUXENT RIVER

County/State HOWARD / MD

Name of Photographer DAVID PIEHL

Date 2/95

Location of Negative SHA

Description NORTH APPROACH LOOKING SOUTH

Number 2 of 4



Inventory # 110-641

Name 13038- MD 97 OVER PATUXENT RIVER

County/State HOWARD / MD

Name of Photographer DAVID DIEHL

Date 2/95

Location of Negative SHA

Description EAST ELEVATION LOOKING  
WEST

Number 3 of 4



Inventory # HO-641

Name 13038-MD 97 OVER PATUXENT RIVER

County/State HOWARD / MD

Name of Photographer DAVID DIEHL

Date 2/95

Location of Negative SHA

Description WEST ELEVATION LOOKING

NORTHEAST

Number <sup>4</sup>21 of <sup>4</sup>31

9501947

INDIVIDUAL PROPERTY/DISTRICT  
MARYLAND HISTORICAL TRUST  
INTERNAL NR-ELIGIBILITY REVIEW FORM

Property/District Name: Bridge No. 13038 Survey Number: HO-641  
Project: Replace MD 97 over Patuxent River Agency: FHWA/SHA  
Site visit by MHT Staff: X no     yes Name                      Date                       
Eligibility recommended            Eligibility not recommended X  
Criteria: X A     B X C     D Considerations:     A     B     C     D     E     F     G  
    None

Justification for decision: (Use continuation sheet if necessary and attach map)

Based on the information provided by SHA, the 1931 two span steel girder bridge does not meet the National Register Criteria for individual listing. The design for the concrete encased bridge was derived from the State Roads Commission's standard plans of 1928. One of numerous bridges constructed from these plans and exhibiting the same pierced railing with a 13 to 1 open space to expansion joint ratio, it is not distinctive from an engineering or architectural standpoint. Many similar steel girder bridges remain from the period in better condition. The bridge is not known to have been associated with any significant person or event. It is one of numerous bridges built to eliminate at grade crossings during the 1920s and 1930s. Moreover, the bridge is lacking in integrity because it is significantly deteriorated. The bridge is not located in any known historic district.

Documentation on the property/district is presented in: inventory form HO-641  
project file

Prepared by: Rita Saffness  
Stacie Webb, SHA

Elizabeth Hannold October 16, 1995  
Reviewer, Office of Preservation Services Date

NR program concurrence: ✓ yes     no     not applicable

Gerald R. Roberts 10-19-95  
Reviewer, NR program Date

Copy

Survey No. HO- 641

**MARYLAND COMPREHENSIVE HISTORIC PRESERVATION PLAN DATA - HISTORIC CONTEXT**

**I. Geographic Region:**

<input type="checkbox"/> Eastern Shore	(all Eastern Shore counties, and Cecil)
<input type="checkbox"/> Western Shore	(Anne Arundel, Calvert, Charles, Prince George's and St. Mary's)
<input checked="" type="checkbox"/> Piedmont	(Baltimore City, Baltimore, Carroll, Frederick, Harford, Howard, Montgomery)
<input type="checkbox"/> Western Maryland	(Allegany, Garrett and Washington)

**II. Chronological/Developmental Periods:**

<input type="checkbox"/> Paleo-Indian	10000-7500 B.C.
<input type="checkbox"/> Early Archaic	7500-6000 B.C.
<input type="checkbox"/> Middle Archaic	6000-4000 B.C.
<input type="checkbox"/> Late Archaic	4000-2000 B.C.
<input type="checkbox"/> Early Woodland	2000-500 B.C.
<input type="checkbox"/> Middle Woodland	500 B.C. - A.D. 900
<input type="checkbox"/> Late Woodland/Archaic	A.D. 900-1600
<input type="checkbox"/> Contact and Settlement	A.D. 1570-1750
<input type="checkbox"/> Rural Agrarian Intensification	A.D. 1680-1815
<input type="checkbox"/> Agricultural-Industrial Transition	A.D. 1815-1870
<input type="checkbox"/> Industrial/Urban Dominance	A.D. 1870-1930
<input checked="" type="checkbox"/> Modern Period	A.D. 1930-Present
<input type="checkbox"/> Unknown Period ( <input type="checkbox"/> prehistoric <input type="checkbox"/> historic)	

**III. Prehistoric Period Themes:**

<input type="checkbox"/> Subsistence
<input type="checkbox"/> Settlement
<input type="checkbox"/> Political
<input type="checkbox"/> Demographic
<input type="checkbox"/> Religion
<input type="checkbox"/> Technology
<input type="checkbox"/> Environmental Adaption

**IV. Historic Period Themes:**

<input type="checkbox"/> Agriculture
<input checked="" type="checkbox"/> Architecture, Landscape Architecture, and Community Planning
<input type="checkbox"/> Economic (Commercial and Industrial)
<input type="checkbox"/> Government/Law
<input type="checkbox"/> Military
<input type="checkbox"/> Religion
<input type="checkbox"/> Social/Educational/Cultural
<input checked="" type="checkbox"/> Transportation

**V. Resource Type:**

Category: Structure

Historic Environment: Rural

Historic Function(s) and Use(s): Transportation-vehicular

Known Design Source: Maryland State Roads Commission



Bridge No. 13038 (HO-641)  
Roxbury Mills  
Howard County, Maryland

**HISTORIC CONTEXT:**

**MARYLAND COMPREHENSIVE HISTORIC PRESERVATION PLAN DATA**

**Geographic Organization:** Piedmont (Howard County)

**Chronological/Developmental Period:** Modern (1930-Present)

**Prehistoric/Historic Period Theme:** Transportation

**Resource Type:**

**Category:** Structure

**Historic Environment:** Rural

**Historic Function (s) and Use(s):** Transportation

**Known Design Source:** Bridge Division, Maryland  
State Highway Administration

**Maryland Historical Trust  
State Historic Sites Inventory Form**

MARYLAND INVENTORY OF  
HISTORIC PROPERTIES

Survey No. HO 641

Magi No.

DOE \_\_\_yes \_\_\_no

**1. Name** (indicate preferred name)

historic

and/or common Bridge No. 13038

**2. Location**

street & number MD 97 over Patuxent River \_\_\_ not for publication

city, town Roxbury Mills \_\_\_ vicinity of congressional district

state Maryland county Howard

**3. Classification**

Category	Ownership	Status	N/A	Present Use
___ district	<input checked="" type="checkbox"/> public	___ occupied		___ agriculture
___ building(s)	___ private	___ unoccupied		___ commercial
<input checked="" type="checkbox"/> structure	___ both	___ work in progress		___ educational
___ site	<b>Public Acquisition</b>	<b>Accessible</b>		___ entertainment
___ object	___ in process	<input checked="" type="checkbox"/> yes: restricted		___ government
	___ being considered	___ yes: unrestricted		___ industrial
	<input checked="" type="checkbox"/> not applicable	___ no		___ military
				___ museum
				___ park
				___ private residence
				___ religious
				___ scientific
				<input checked="" type="checkbox"/> transportation
				___ other:

**4. Owner of Property** (give names and mailing addresses of all owners)

name Maryland State Highway Administration

street & number 707 N. Calvert Street telephone no.: 410 333 1183

city, town Baltimore state and zip code Maryland 21202

**5. Location of Legal Description**

courthouse, registry of deeds, etc. Baltimore County Courthouse liber

street & number folio

city, town Towson state Maryland

**6. Representation in Existing** Historical Surveys

title N/A

date \_\_\_ federal \_\_\_ state \_\_\_ county \_\_\_ local

depository for survey records

city, town state

## 7. Description

Survey No. HO 641

<b>Condition</b>		<b>Check one</b>	<b>Check one</b>	
<input type="checkbox"/> excellent	<input checked="" type="checkbox"/> deteriorated	<input checked="" type="checkbox"/> unaltered	<input checked="" type="checkbox"/> original site	
<input type="checkbox"/> good	<input type="checkbox"/> ruins	<input type="checkbox"/> altered	<input type="checkbox"/> moved	date of move
<input type="checkbox"/> fair	<input type="checkbox"/> unexposed			N/A

Prepare both a summary paragraph and a general description of the resource and its various elements as it exists today.

SEE CONTINUATION SHEET 7.1

## 8. Significance

Survey No.

HO 641

Period	Areas of Significance—Check and justify below			
<input type="checkbox"/> prehistoric	<input type="checkbox"/> archeology-prehistoric	<input type="checkbox"/> community planning	<input type="checkbox"/> landscape architecture	<input type="checkbox"/> religion
<input type="checkbox"/> 1400-1499	<input type="checkbox"/> archeology-historic	<input type="checkbox"/> conservation	<input type="checkbox"/> law	<input type="checkbox"/> science
<input type="checkbox"/> 1500-1599	<input type="checkbox"/> agriculture	<input type="checkbox"/> economics	<input type="checkbox"/> literature	<input type="checkbox"/> sculpture
<input type="checkbox"/> 1600-1699	<input type="checkbox"/> architecture	<input type="checkbox"/> education	<input type="checkbox"/> military	<input type="checkbox"/> social/
<input type="checkbox"/> 1700-1799	<input type="checkbox"/> art	<input type="checkbox"/> engineering	<input type="checkbox"/> music	<input type="checkbox"/> humanitarian
<input type="checkbox"/> 1800-1899	<input type="checkbox"/> commerce	<input type="checkbox"/> exploration/settlement	<input type="checkbox"/> philosophy	<input type="checkbox"/> theater
<input checked="" type="checkbox"/> 1900-	<input type="checkbox"/> communications	<input type="checkbox"/> industry	<input type="checkbox"/> politics/government	<input checked="" type="checkbox"/> transportation
		<input type="checkbox"/> invention		<input type="checkbox"/> other (specify)

Specific dates 1931 Builder/Architect MD State Hwy. Administration

check: Applicable Criteria: ☒ A ☐ B ☒ C ☐ D  
and/or

Applicable Exception: ☐ A ☐ B ☐ C ☐ D ☐ E ☐ F ☐ G

Level of Significance: ☐ national ☐ state ☒ local

Prepare both a summary paragraph of significance and a general statement of history and support.

SEE CONTINUATION SHEET 8.2

## 9. Major Bibliographical References

Survey No. HO 641

Files of Bridge Division, MD State Hwy. Administration  
Draft Historic Bridges in Maryland: Historic Context Report

## 10. Geographical Data

Acreeage of nominated property less than 1 acre

Quadrangle name Sandy Spring

Quadrangle scale 1:24,000

UTM References do NOT complete UTM references

A 

--	--	--	--	--	--	--	--	--	--

  
Zone Easting Northing

B 

--	--	--	--	--	--	--	--	--	--

  
Zone Easting Northing

C 

--	--	--	--	--	--	--	--	--	--

D 

--	--	--	--	--	--	--	--	--	--

E 

--	--	--	--	--	--	--	--	--	--

F 

--	--	--	--	--	--	--	--	--	--

G 

--	--	--	--	--	--	--	--	--	--

H 

--	--	--	--	--	--	--	--	--	--

Verbal boundary description and justification

List all states and counties for properties overlapping state or county boundaries

state	code	county	code
-------	------	--------	------

state	code	county	code
-------	------	--------	------

## 11. Form Prepared By

name/title Rita M. Suffness, Leader, Cultural Resources Group

organization MD State Hwy. Administration date 3/3/94

street & number 707 N. Calvert Street telephone 410 333 1183

city or town Baltimore state Maryland

The Maryland Historic Sites Inventory was officially created by an Act of the Maryland Legislature to be found in the Annotated Code of Maryland, Article 41, Section 181 KA, 1974 supplement.

The survey and inventory are being prepared for information and record purposes only and do not constitute any infringement of individual property rights.

return to: Maryland Historical Trust  
Shaw House  
21 State Circle  
Annapolis, Maryland 21401  
(301) 269-2438

MARYLAND HISTORICAL TRUST  
DHCP/DHOD  
100 COMMUNITY PLAZA  
CROWNSVILLE, MD 21032-2026  
514-77600

Bridge No. 13038  
Howard County, Maryland

Continuation Sheet 7.2  
Description

Bridge 13038 (HO-641) is a 1931 steel girder with two 43 foot spans for a total span length of 86 feet and a 27 foot wide roadway. Specifically this structure is a concrete encased I-beam structure. This bridge currently carries MD 97 over the Patuxent River, which forms the border between Montgomery and Howard Counties in the central part of Maryland.

The Historic Bridge Context states that the rolled concrete encased longitudinal I-beams is of primary importance and contributes to the essential characteristics of a concreted encased rolled I-beam. An April 1994 inspection report detailed the condition of the I-beam. The I-beams are approximately 43' +/- in length with a 20" x 3/8" web plate. The top flange of the I-beam is integrated into the deck of the bridge. Several beams have deep pitting with some sectional loss on the bottom flanges. There is additional sectional loss near the bearing area (The area where the girders meet with the substructure). Beam # 6 ( All numbers are from north and west. See Attachment 3, Photo 3) has the bottom flange bent upwards 1" . Beams # 1 & # 8 are the exterior I-beams. The exterior I-beams are fully encased in concrete (see Attachment 3 Photo 4). The exterior beams have spalling cracking and erosion throughout.

The area where the I-beams meet with the substructure is known as the bearing area. This area must transmit the loads to the abutments and piers without exceeding the allowable stress. The bearings of a bridge provide three functions: a) longitudinal movement for expansion and contraction; b) rotating movement due to deflection of the girders; and c) vertical movements due to the deflection or settlement of the substructure supporting the girders. Bridge 13038's bearing areas are in very poor condition. The bearing areas of I-beams # 5 & 6 at the south abutment are missing. The anchor bolts of I-beam #3 on the south abutment is also missing. All bolts and nuts have a great deal of scale and sectional loss.

The parapets on both side of the bridge are integrated into the deck of the structure. The parapet joins the concrete by a lock and key method for those parapets which are not supporting members. In 1928, Maryland used a pierced railing with a 13 open space to 1 expansion joint ratio which replaced the closed paneled design of the first quarter of the 20th century. This new design allowed for greater flexibility in terms of expansion as opposed to the Luten inspired closed panel design. The problem with Bridge 13038 is the present condition of the parapets. Each slab has three section of parapets on either side of the bridge.

Bridge No. 13038  
Howard County, Maryland

Continuation Sheet 7.3  
Description

The balustrade is 3'-2" from the construction joint of the deck. (see Attachment 3, Photo 1) Each rail opening is 6" wide and approximately 1'-0" high. The cap is 1'-2" wide, 5 1/2 " high, and extends over each 13 space segment of the parapet. The enclosed photographs illustrate the deteriorated condition of the parapets. The expansion joints have slipped, the majority of the balustrades are spalling, the coping on both side have spalling, the cap on the first segment of the eastern parapet is missing, and the missing concrete at the expansion joints are causing minor shifts in the bridge. The parapets need patching and in some cases replacement.

The southern abutment is approximately 7'-1/4" with a eastern wing wall of 16'-0" and a western wall of 8'-4". The northern abutment is approximately 44'-1/4" with an eastern wing wall of 8'-4" and a western wing wall of 10'-0". Currently the abutment cap in Bay 1, north abutment has a deep concrete dising and is hollow sounding to the bearing area. The cap section under beam #8 ( numbering from north to west) on the northern abutment is hollow and spalled from beneath the beam to the wing wall. The cap sections between beams #2 and #7 on the northern abutment have wide areas of horizontal cracking and map cracking. The southern abutment has a vertical cracking, with spot areas of hollow soundings. Both wing walls have concrete erosion & diagonal cracking.

Bridge No. 13038 (HO-641)  
Howard County, Maryland

Continuation Sheet 8.2  
Statement of Significance

Bridge 13038 (HO-641) is a 1931 steel girder structure with two 43 foot spans for a total span length of 86 feet and a 27 foot wide roadway. As seen in the attached photographs, the bridge is greatly deteriorated, with considerable loss of section in most members. Sections of the parapet walls are extremely deteriorated, with the loss of some of the railing in one section. In addition, the grade of the structure is thirteen feet lower than it should be, resulting in frequent flooding which adds to the deterioration. The bridge also has substandard road and shoulder widths.

Although this bridge was considered under Criterion C, this agency feels that the condition of the structure has called its integrity into question. Years of patching, replacement, guniting, and removal have created a structure which is no longer an example of the 1930's use of I-beams but is an example of late twentieth century remediation technology. This agency does not feel that this bridge is eligible under criterion C.

The construction of this bridge was also considered under Criterion A and thus, evaluated as part of a pattern of events or historic trends that resulted in significant contributions to the development of the state. Highway development following World War I, according to Spero, was characterized by increased growth of state-owned and state-aided systems, and highlighted by construction of notable through roads, parkways, and expressways by state or federal authorities. Funding for highway projects was then as is now an important issue. In 1922 Governor Ritchie's administration instituted a gasoline tax. In theory this tax would burden those citizens who benefitted the greatest from highway instead of financing roadwork through bond issues. The first tax was one cent per gallon and was doubled in 1924. By 1927 the tax was doubled again with 1 cent earmarked for the grade-crossing elimination program. Bridges were constructed to eliminate the need for crossing gates, 24 hour-watchman, and better safety.

Although this structure was built to eliminate an at-grade crossing we do not feel that it is the best example of type nor was it significant to the process as a whole. The condition of this structure would necessitate a large percentage of in-kind replacement and removal of critical CDEs for this type of bridge. In addition this structure was not the first bridge built as part of the process nor was the original crossing exceptionally dangerous which might have fueled public concern for an early elimination. This bridge was built in 1931 some nine years after the project began. By 1930 the Roads Commission had eliminated 21 grade crossings with plans for eliminating 13 more. Therefore this agency does not feel that this bridge eligible under criteria A as an example of the state's transportation history.

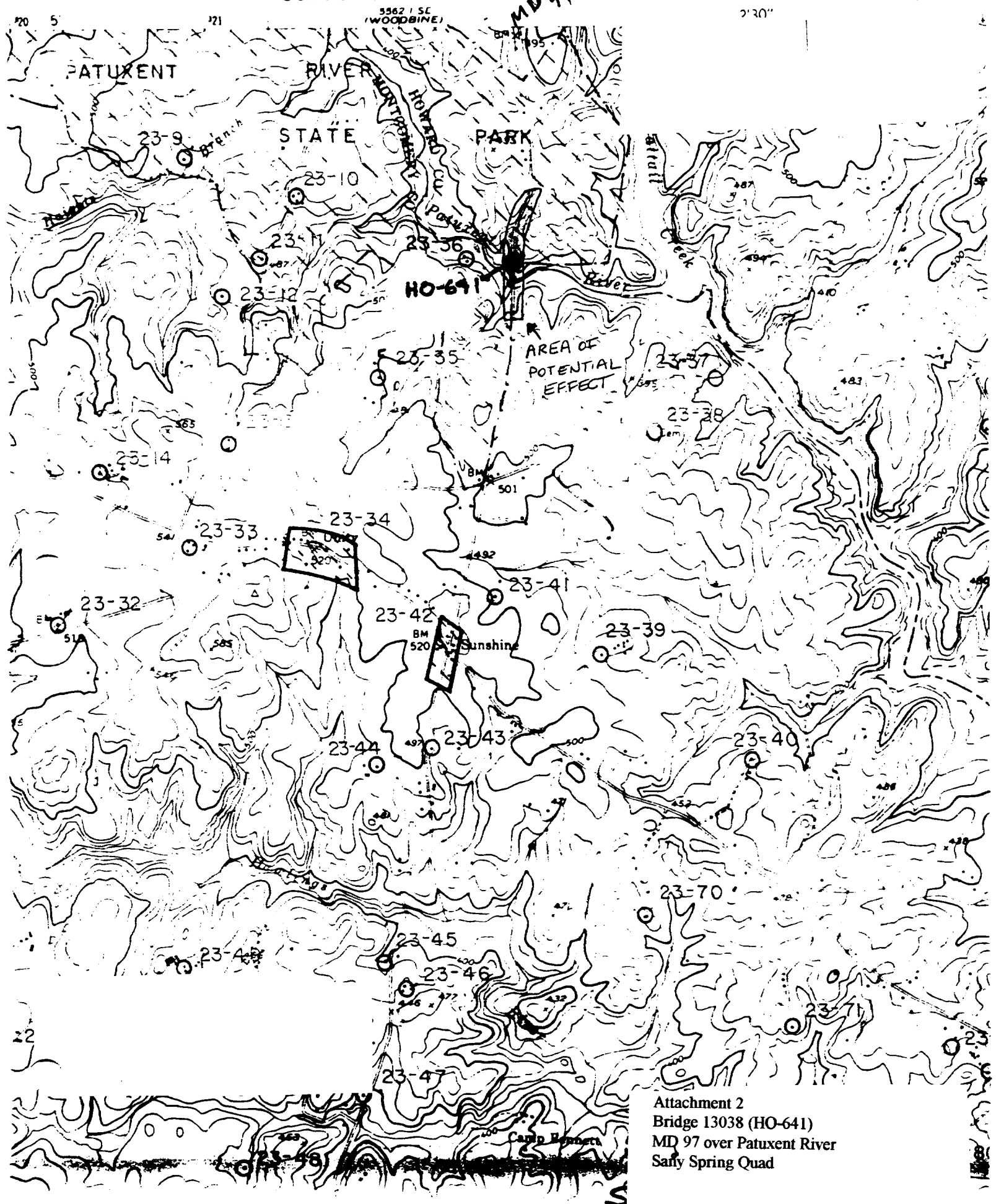


NUMBER 1  
TOWARD

UNITED STATES  
DEPARTMENT OF THE ARMY  
CORPS OF ENGINEERS

COUNTIES

140-641



Attachment 2  
Bridge 13038 (HO-641)  
MD 97 over Patuxent River  
Sally Spring Quad



H O - 641

Bridge 130 38

Howard County Md

R. Suffern 2/94

Keys at MD state Highway  
Administration

West Elevation

1/6



HO 541

Bridges 13038

Howard County, Md

Recess 2/94

Tag at MD State Hwy

Administrative

Close-up of west elevation

2/6-



H0641

Bridge 13038

Howard Cty, Md

R. Suffern 2/94

Neys at MD State Highway  
Administration

Close-up of west elevation  
looking N.E.

3/6 -





H0 641

Bridge 130 38

Howard County, Md

R. Sjöförm 2/94

Negative at MD State Highway  
Administration

Last Carapet road

4/6



40641

Bridge 15038

Howard County, MD

R. Suffern 2/94

neg. at MD State Harry Alderman

Detail of West Parapet Wall

5/6



1932  
Dec 28  
Howard County, Md  
R. S. Suggs  
near 1st and State Highway  
near Administration  
South approach of  
Bridge, looking North  
6/6



SW Quad

HO-641

Attachment 4

Bridge # 13038

Southern Elevation





HO-641

5/31/89

Br. No. 13038

md Rtc 97 / Patuxent River

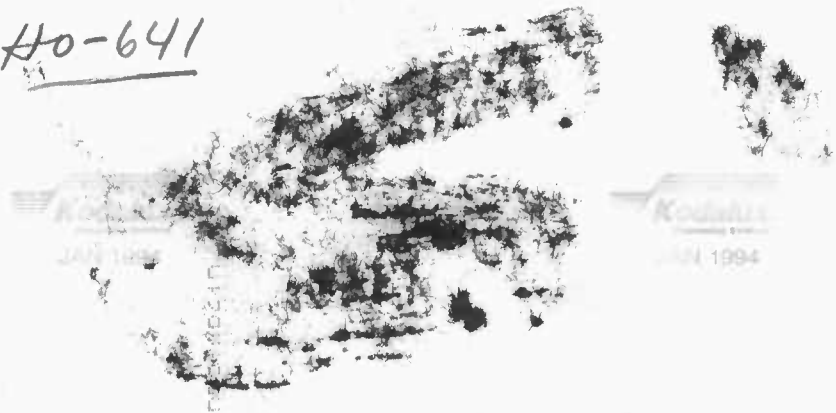
Span 1, Beam 5 over Pier

Typical Rust, scale



MD 97 over Patux  
S. W. Quad

HO-641





HO-641  
Bn No. 13038

5/31/89

md Rte 97, / Patuxent River

Span 1, Abutment 1

Beam 1 along deck

scupper hole



Welcome  
to  
Howard County

11038

MO 97 over Patuxent

SE Quad

Ho-641

Bridge # 13038

S.E. Elevation

Missing Parapet





Ho-641

N. W. Quad

Bridge # 13038

Water Elevation

JAN 1994

Kodak

JAN 1994



148  
Bridge No. 13038 Date 4/6/95

MO 97 over PATUXENT RIVER.

Other (Describe) \_\_\_\_\_

East BALUSTRADE, deterioration.

HO-641



Bridge No. 13038

Date: 4/1/71

MD 97

over

PAWKEET RIVER

Other (Describe) \_\_\_\_\_

SPALLING ALONG EDGE @ DRAIN  
BAY #2 SPAN #1.

HO-641